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(71) Applicant (for all designated States except US):  
WILLIAM MARSH RICE UNIVERSITY [US/US];  
6100 Main Street, Houston, TX 77843 (US).

(71) Applicant and

(72) Inventor: TOUR, James, M. [US/US]; 4625 Spruce St.,  
Bellaire, TX 77041 (US).

(72) Inventor; and

(75) Inventor/Applicant (for US only): DYKE, Christopher,  
A. [US/US]; 3333 Cummins, # 408, Houston, TX 77027  
(US).

(74) Agent: GARSSON, Ross, Spencer; WINSTEAD  
SECHREST & MINICK P.C., Suite 800, 100 Congress  
Avenue, Austin, TX 78701-4042 (US).

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(54) Title: PROCESS FOR FUNCTIONALIZING CARBON NANOTUBES UNDER SOLVENT-FREE CONDITIONS

(57) **Abstract:** The present invention provides methods by which carbon nanotubes can be functionalized under solvent-free conditions. As extremely large quantities are typically required to dissolve or disperse carbon nanotubes, solvent elimination the processes more favorable for scale-up. Such processes are also amenable to a wide variety of chemical reactions and functionalizing agents.